

PUR Spreader LV Reeling Cable



Eland Product Group: B7U

APPLICATION

Vertical reeling cable under high mechanical stresses, torsion, tension and torque. Mainly used for spreader reeling applications. Strength member to increase tensile load, acceleration and speed. PUR sheath offers a very good protection against hydrolysis, solvents, alkalines and oils.

CHARACTERISTICS

Voltage Rating (Uo/U)
0.6/1kV

Temperature Rating
Fixed installation: -50°C to +90°C
Mobile operation: -40°C to +90°C

Minimum Bending Radius
Fixed Application: 6 x Overall Diameter
Mobile Applications: 8 x Overall Diameter

Maximum Tensile Load
30 N/mm²

Maximum Torsion
±25°/m

Travel Speed
Festoon Systems Up to 240m/min
Reeling Application: Up to 240m/min horiz. / Up to 180m/min vertical

CONSTRUCTION

Conductor
Class 5 flexible stranded copper

Insulation
Halogen free compound based on polyester

Lay Up
Central Aramid strength member, cores in concentric layers

Inner Sheath
PUR-HF (Halogen Free, flame retardant Polyurethane)

Braiding
Anti-twisting element - Aramid yarns braiding

Outer Sheath
PUR-HF (Halogen Free, flame retardant Polyurethane)

Core Identification
From 6 cores: ○ white cores with ● black numbers

Sheath Colour
● Black or ● Yellow or ● Orange

STANDARDS

IEC 60228, DIN VDE 0293-308, IEC 60502 & VDE 0250, DIN VDE 0472-501, 502, 503, 508, DIN VDE 0472-401, 402, 602, 303, 615, DIN VDE 0250-1, IEC 60502, IEC 60332-1 HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
			Minimum	Maximum	
B7US180025	18	2.5	22.0	26.0	1100
B7US240025	24	2.5	26.4	29.4	1400
B7US300025B	30 x 5 x 6	2.5 + 2.5	30.2	34.2	1600
B7US360025B	36 x 6 x 6	2.5 + 2.5	34.7	38.5	2080
B7US360025	36	2.5	30.2	33.0	1850
B7US420025B	42 x 7 x 6	2.5 + 2.5	37.8	41.8	2280
B7US440025	44	2.5	32.5	35.5	1950
B7US080025B	8 x 6	2.5	42.7	45.1	2620
B7US540025B	54 x 9 x 6	2.5 + 2.5	43.8	48.8	2800